

IN THE SPECIFICATION:

Please replace paragraph 1 at page 1, with the following rewritten paragraph:

The present invention relates generally to a disk drive, a disk drive controlling method, and a disk drive controlling method program. More particularly, the invention relates to a portable video recorder that uses an optical disk and by extension to techniques for switching the degree of power conservation in keeping with the ~~length of an idle time bit rate of a data stream generated~~ during the intermittent recording or reproduction of continuous data, whereby power dissipation is reduced more efficiently than before.

Please replace paragraph 4 at page 2 continuing onto page 3, with the following rewritten paragraph:

In carrying out the invention and according to one aspect thereof, there is provided a disk drive for intermittently recording and/or reproducing a continuous data stream to and/or from a disk-type recording medium in increments of a predetermined amount of data; wherein parts of driving circuits for driving the disk-type recording medium are temporarily deactivated while the data stream is not being recorded to the disk-type recording medium in an idle time during the intermittent recording and/or reproduction of the data stream; and wherein the driving circuit parts to be deactivated are switched depending on the ~~length of the idle time a bit rate of the data stream~~.

Please replace paragraph 1 at page 3 continuing onto page 4, with the following rewritten paragraph:

The disk drive of the invention, as outlined above, records and/or reproduces the continuous data stream intermittently to and/or from the disk-type recording medium in increments of the predetermined amount of data. Parts of the driving circuits for driving the

disk-type recording medium are turned off temporarily while the data stream is not being written to the disk-type recording medium in each idle time during the intermittent recording and/or reproduction of the data stream. The driving circuit parts to be deactivated are switched depending on the ~~length of the idle time~~ bit rate of the data stream. Illustratively, the recording or reproduction of streaming data at a low data transfer rate may entail a relatively long idle time during the operation. In that case, many of the circuits in use may be deactivated in each idle time during the recording or reproduction, whereby power is saved significantly. On the other hand, if the idle time is relatively short, the circuits to be turned off in each idle time during the operation are limited so as not to affect the repeated steps of the recording or reproduction. In this manner, power supply is controlled more scrupulously so that power dissipation is reduced more efficiently than before.

Please replace paragraph 1 at page 4, with the following rewritten paragraph:

According to another aspect of the invention, there is provided a disk drive controlling method for controlling a disk drive for intermittently recording and/or reproducing a continuous data stream to and/or from a disk-type recording medium in increments of a predetermined amount of data, the disk drive controlling method comprising the steps of: temporarily deactivating parts of driving circuits for driving the disk-type recording medium while the data stream is not being recorded to the disk-type recording medium in an idle time during the intermittent recording and/or reproduction of the data stream; and switching the driving circuit parts to be deactivated depending on the ~~length of the idle time~~ a bit rate of the data stream.

Please replace paragraph 1 at page 5, with the following rewritten paragraph:

According to a further aspect of the invention, there is provided a disk drive controlling method program for use with a computer controlling a disk drive for intermittently recording

and/or reproducing a continuous data stream to and/or from a disk-type recording medium in increments of a predetermined amount of data, the disk drive controlling method program causing the computer to carry out a procedure comprising the steps of: temporarily deactivating parts of driving circuits for driving the disk-type recording medium while the data stream is not being recorded to the disk-type recording medium in an idle time during the intermittent recording and/or reproduction of the data stream; and switching the driving circuit parts to be deactivated depending on the length of the idle time a bit rate of the data stream.

Please replace paragraph 2 at page 27 continuing onto page 28, with the following rewritten paragraph:

By contrast, where low quality picture mode is in effect with a relatively long time to spare, the Stop command issued by the system block 16 stops the supply of power to the spindle driving circuit that takes a relatively long time to start up in addition to the circuits deactivated by the Idle command. This provides more savings in power dissipation. The embodiment of the invention is thus arranged to switch the degree of power conservation depending on the length of the idle time bit rate of the data stream generated during intermittent recording of consecutive data. The arrangements constitute a significantly better power saving feature than has been implemented by conventional apparatuses.

Please replace paragraph 1 at page 30, with the following rewritten paragraph:

By contrast, where low quality picture mode is in effect with more time to spare, the Stop command issued by the system block 16 stops the supply of power to the spindle driving circuit that takes a relatively long time to start up in addition to the circuits deactivated earlier by the Idle command. This affords more savings in power dissipation. The embodiment is thus arranged to switch the degree of power conservation depending on the length of the idle time T2

bit rate of the data stream generated during intermittent reproduction of consecutive data. The arrangements permit an appreciably enhanced power saving effect as compared with what has been achieved -or not achieved- by conventional apparatuses.

Please replace paragraphs 1, 2 and 3 at page 31, with the following rewritten paragraph:

With the above-described structure in effect, some of the driving circuits associated with the optical disk are deactivated in an idle time during intermittent recording or reproduction of consecutive data. The circuits to be deactivated are switched in keeping with the ~~length of the idle time~~ the bit rate of the data stream so that the degree of power conservation is varied correspondingly. This brings about significantly better power savings than before.

As the ~~idle time becomes longer~~ bit rate becomes lower, more circuits are deactivated. That is, the level of power dissipation can be increased or decreased in accordance with the amount of time to spare during the idle time.

More specifically, the circuits that take a relatively long time to start up are set to be deactivated when the ~~idle time becomes longer~~ bit rate becomes lower. In keeping with the time to spare during the idle time period, the level of power dissipation is decreased.

Please replace paragraph 2 at page 33 continuing onto page 34, with the following rewritten paragraph:

According to the invention, as described, the degree of power conservation is varied depending on the ~~length of the idle time~~ bit rate of the data stream generated during intermittent recording or reproduction of consecutive data. The inventive scheme promises significantly better power savings than conventional power conservation setups for comparable apparatuses.